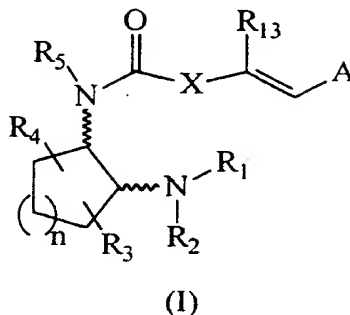


CLAIMS

What is claimed is:

1. A compound of formula (I), or a solvate or pharmaceutically acceptable salt thereof:



wherein, independently at each occurrence,

n is selected from 1, 2, 3 and 4;

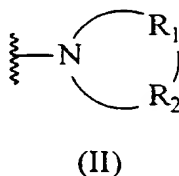
X is selected from a direct bond, and $-C(R_6, R_{14})-Y-$,

Y is selected from a direct bond, O, S, and C_1-C_4 alkylene;

R_{13} is selected from hydrogen, C_1-C_6 alkyl, C_3-C_8 cycloalkyl, aryl, and benzyl;

R_1 and R_2 are independently selected from hydrogen, C_1-C_8 alkyl, C_3-C_8 alkoxyalkyl, C_1-C_8 hydroxyalkyl, and C_7-C_{12} aralkyl; or

R_1 and R_2 , when taken together with the nitrogen atom to which they are directly attached in formula (I), form a ring denoted by formula (II):



wherein the ring of formula (II) is formed from the nitrogen as shown as well as three to nine additional ring atoms independently selected from carbon, nitrogen, oxygen, and sulfur; where any two adjacent ring atoms may be joined together by single or double bonds, and where any one or more of the additional carbon ring atoms may be

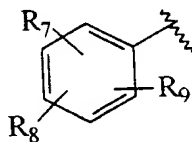
substituted with one or two substituents selected from hydrogen, hydroxy, C_1 - C_3 hydroxyalkyl, oxo, C_2 - C_4 acyl, C_1 - C_3 alkyl, C_2 - C_4 alkylcarboxy, C_1 - C_3 alkoxy, C_1 - C_{20} alkanoyloxy, or may be substituted to form a spiro five- or six-membered heterocyclic ring containing one or two heteroatoms selected from oxygen and sulfur; and any two adjacent additional carbon ring atoms may be fused to a C_3 - C_8 carbocyclic ring, and any one or more of the additional nitrogen ring atoms may be substituted with substituents selected from hydrogen, C_1 - C_6 alkyl, C_2 - C_4 acyl, C_2 - C_4 hydroxyalkyl and C_3 - C_8 alkoxyalkyl; or

R_1 and R_2 , when taken together with the nitrogen atom to which they are directly attached in formula (I), may form a bicyclic ring system selected from 3-azabicyclo[3.2.2]nonan-3-yl, 2-azabicyclo[2.2.2]octan-2-yl, 3-azabicyclo[3.1.0]hexan-3-yl, and 3-azabicyclo[3.2.0]heptan-3-yl;

R_3 and R_4 are independently attached to the cycloalkyl ring shown in formula (I) at other than the 1 and 2 positions and are independently selected from hydrogen, hydroxy, C_1 - C_6 alkyl, and C_1 - C_6 alkoxy, and, when both R_3 and R_4 are attached to the same cycloalkane ring atom, may together form a spiro five- or six-membered heterocyclic ring containing one or two heteroatoms selected from oxygen and sulfur;

R_5 , R_6 and R_{14} are independently selected from hydrogen, C_1 - C_6 alkyl, aryl and benzyl, or R_6 and R_{14} , when taken together with the carbon to which they are attached, may form a spiro C_3 - C_5 cycloalkyl;

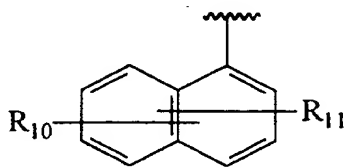
A is selected from C_5 - C_{12} alkyl, a C_3 - C_{13} carbocyclic ring, and ring systems selected from formulae (III), (IV), (V), (VI), (VII) and (VIII):



(III)

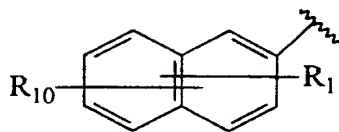
where R_7 , R_8 and R_9 are independently selected from bromine, chlorine, fluorine, carboxy, hydrogen, hydroxy, hydroxymethyl, methanesulfonamido, nitro, sulfamyl, trifluoromethyl, C_2 - C_7 alkanoyloxy, C_1 - C_6 alkyl, C_1 - C_6 alkoxy, C_2 - C_7 alkoxycarbonyl,

C₁-C₆thioalkyl, aryl and N(R₁₅,R₁₆) where R₁₅ and R₁₆ are independently selected from hydrogen, acetyl, methanesulfonyl, and C₁-C₆alkyl;



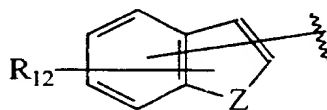
(IV)

and



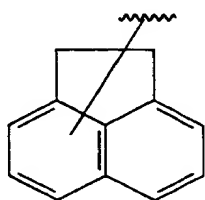
(V)

where R₁₀ and R₁₁ are independently selected from bromine, chlorine, fluorine, carboxy, hydrogen, hydroxy, hydroxymethyl, methanesulfonamido, nitro, sulfamyl, trifluoromethyl, C₂-C₇alkanoyloxy, C₁-C₆alkyl, C₁-C₆alkoxy, C₂-C₇alkoxycarbonyl, C₁-C₆thioalkyl, and N(R₁₅,R₁₆) where R₁₅ and R₁₆ are independently selected from hydrogen, acetyl, methanesulfonyl, and C₁-C₆alkyl;

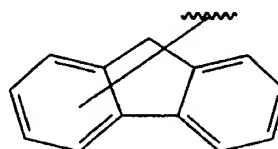


(VI)

where R₁₂ is selected from bromine, chlorine, fluorine, carboxy, hydrogen, hydroxy, hydroxymethyl, methanesulfonamido, nitro, sulfamyl, trifluoromethyl, C₂-C₇alkanoyloxy, C₁-C₆alkyl, C₁-C₆alkoxy, C₂-C₇alkoxycarbonyl, C₁-C₆thioalkyl, and N(R₁₅,R₁₆) where R₁₅ and R₁₆ are independently selected from hydrogen, acetyl, methanesulfonyl, and C₁-C₆alkyl; and Z is selected from CH, CH₂, O, N and S, where Z may be directly bonded to the carbon atom in formula (I) that is shown directly bonded to "A" when Z is CH or N, or Z may be directly bonded to R₁₇ when Z is N, and R₁₇ is selected from hydrogen, C₁-C₆alkyl, C₃-C₈cycloalkyl, aryl and benzyl;



(VII)



(VIII)

including isolated enantiomeric, diastereomeric and geometric isomers thereof, and mixtures thereof;

with the proviso that, said compound of formula (I) may not be (1R,2S)/(1S,2R)-N-methyl-N-[2-(1-pyrrolidinyl)cyclohexyl]-3,4-dichlorocinnamide.

2. A compound, or mixture comprising compounds, selected from the group consisting of: (1R,2R)/(1S,2S)-N-methyl-N-[2-(1-pyrrolidinyl)cyclohexyl]-3,4-dichlorocinnamide monohydrochloride, (1R,2R)/(1S,2S)-N-[2-(4-morpholinyl)cyclohexyl]-3,4-dichlorocinnamide monohydrochloride; and (1R,2R)/(1S,2S)-N-methyl-N-[2-(1-pyrrolidinyl)cyclopentyl]-3,4-dichlorocinnamide monohydrochloride, and other pharmaceutically acceptable salts and solvates thereof.

3. A composition comprising a compound according to claim 1 without said proviso or claim 2 in combination with a pharmaceutically acceptable carrier, excipient or diluent.

4. Use of a compound according to claim 1 without said proviso or claim 2 in a manufacture of a medicament.

5. A compound or composition according to any one of claim 1 without said proviso, claim 2 and claim 3 for use in a method for treating or preventing arrhythmia in a warm-blooded animal.

6. A compound or composition according to any one of claim 1 without said proviso, claim 2 and claim 3 for use in a method for modulating ion channel activity in a warm-blooded animal.

7. A compound or composition according to any one of claim 1 without said proviso, claim 2 and claim 3 for use in a method for modulating ion channel activity *in vitro*.

8. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent diseases of the central nervous system in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

9. A method for treating or preventing diseases of the central nervous system in a warm-blooded animal comprising administering to a warm-blooded animal in need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 8.

10. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent convulsions in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

11. A method for treating or preventing convulsions in a warm-blooded animal comprising administering to a warm-blooded animal in need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 10.

12. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent epileptic spasms in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

13. A method for treating or preventing epileptic spasms in a warm-blooded animal comprising administering to a warm-blooded animal in need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 12.

14. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent depression, anxiety or schizophrenia, in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

15. A method for treating or preventing depression, anxiety or schizophrenia, in a warm-blooded animal comprising administering to a warm-blooded animal in need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 14.

16. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent Parkinson's disease in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

17. A method for treating or preventing Parkinson's disease in a warm-blooded animal comprising administering to a warm-blooded animal in need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 16.

18. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent respiratory disorders in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

19. A method for treating or preventing respiratory disorders in a warm-blooded animal comprising administering to a warm-blooded animal in need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 18.

20. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent cystic fibrosis in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

21. A method for treating or preventing cystic fibrosis in a warm-blooded animal comprising administering to a warm-blooded animal in need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 20.

22. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent asthma in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

23. A method for treating or preventing asthma in a warm-blooded animal comprising administering to a warm-blooded animal in need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 22.

24. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent a cough in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

25. A method for treating or preventing a cough in a warm-blooded animal comprising administration of a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 24.

26. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent inflammation in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

27. A method for treating or preventing inflammation in a warm-blooded animal comprising administering to a warm-blooded animal in need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 26.

28. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent arthritis in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

29. A method for treating or preventing arthritis in a warm-blooded animal comprising administering to a warm-blooded animal in need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 28.

30. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent allergies in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

31. A method for treating or preventing allergies in a warm-blooded animal comprising administering to a warm-blooded animal in need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 30.

32. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent gastrointestinal disorders in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

33. A method for treating or preventing gastrointestinal disorders in a warm-blooded animal comprising administering to a warm-blooded animal in need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 32.

34. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent urinary incontinence in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

35. A method for treating or preventing urinary incontinence in a warm-blooded animal comprising administering to a warm-blooded animal in need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 34.

36. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent irritable bowel syndrome in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

37. A method for treating or preventing irritable bowel syndrome in a warm-blooded animal comprising administering to a warm-blooded animal in need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 36.

38. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent cardiovascular diseases in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

39. A method for treating or preventing cardiovascular diseases in a warm-blooded animal comprising administering to a warm-blooded animal in need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 38.

40. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent cerebral or myocardial ischemias in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

41. A method for treating or preventing cerebral or myocardial ischemias in a warm-blooded animal comprising administering to a warm-blooded animal in need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 40.

42. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent hypertension in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

43. A method for treating or preventing hypertension in a warm-blooded animal comprising administering to a warm-blooded animal in need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 42.

44. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent long-QT syndrome in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

45. A method for treating or preventing long-QT syndrome in a warm-blooded animal comprising administering to a warm-blooded animal in need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 44.

46. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent stroke in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

47. A method for treating or preventing stroke in a warm-blooded animal comprising administering to a warm-blooded animal in need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 46.

48. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent migraine in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

49. A method for treating or preventing migraine in a warm-blooded animal comprising administering to a warm-blooded animal in need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 48.

50. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent ophthalmic diseases in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

51. A method for treating or preventing ophthalmic diseases in a warm-blooded animal comprising administering to a warm-blooded animal in need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 50.

52. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent diabetes mellitus in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

53. A method for treating or preventing diabetes mellitus in a warm-blooded animal comprising administering to a warm-blooded animal in need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 52.

54. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent myopathies in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

55. A method for treating or preventing myopathies in a warm-blooded animal comprising administering to a warm-blooded animal in need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 54.

56. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent Becker's myotonia in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

57. A method for treating or preventing Becker's myotonia in a warm-blooded animal comprising administering to a warm-blooded animal in need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 56.

58. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent myasthenia gravis in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

59. A method for treating or preventing myasthenia gravis in a warm-blooded animal comprising administering to a warm-blooded animal in need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 58.

60. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent paramyotonia congenita in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

61. A method for treating or preventing paramyotonia congenita in a warm-blooded animal comprising administering to a warm-blooded animal in need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 60.

62. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent malignant hyperthermia in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

63. A method for treating or preventing malignant hyperthermia in a warm-blooded animal comprising administering to a warm-blooded animal in need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 62.

64. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent hyperkalemic periodic paralysis in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

65. A method for treating or preventing hyperkalemic periodic paralysis in a warm-blooded animal comprising administering to a warm-blooded animal in need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 64.

66. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent Thomsen's myotonia in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

67. A method for treating or preventing Thomsen's myotonia in a warm-blooded animal comprising administering to a warm-blooded animal in need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 66.

[illegible]

一、二、三、四、五、六、七、八、九、十、十一、十二、十三、十四、十五、十六、十七、十八、十九、二十、二十一、二十二、二十三、二十四、二十五、二十六、二十七、二十八、二十九、三十、三十一、三十二、三十三、三十四、三十五、三十六、三十七、三十八、三十九、四十、四十一、四十二、四十三、四十四、四十五、四十六、四十七、四十八、四十九、五十、五十一、五十二、五十三、五十四、五十五、五十六、五十七、五十八、五十九、六十、六十一、六十二、六十三、六十四、六十五、六十六、六十七、六十八、六十九、七十、七十一、七十二、七十三、七十四、七十五、七十六、七十七、七十八、七十九、八十、八十一、八十二、八十三、八十四、八十五、八十六、八十七、八十八、八十九、九十、九十一、九十二、九十三、九十四、九十五、九十六、九十七、九十八、九十九、一百。

[illegible][illegible]

一、二、三、四、五、六、七、八、九、十、十一、十二、十三、十四、十五、十六、十七、十八、十九、二十、二十一、二十二、二十三、二十四、二十五、二十六、二十七、二十八、二十九、三十、三十一、三十二、三十三、三十四、三十五、三十六、三十七、三十八、三十九、四十、四十一、四十二、四十三、四十四、四十五、四十六、四十七、四十八、四十九、五十、五十一、五十二、五十三、五十四、五十五、五十六、五十七、五十八、五十九、六十、六十一、六十二、六十三、六十四、六十五、六十六、六十七、六十八、六十九、七十、七十一、七十二、七十三、七十四、七十五、七十六、七十七、七十八、七十九、八十、八十一、八十二、八十三、八十四、八十五、八十六、八十七、八十八、八十九、九十、九十一、九十二、九十三、九十四、九十五、九十六、九十七、九十八、九十九、一百。

[illegible]

need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 72.

74. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent heart failure in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

75. A method for treating or preventing heart failure in a warm-blooded animal comprising administering to a warm-blooded animal in need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 74.

76. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent hypotension in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

77. A method for treating or preventing hypotension in a warm-blooded animal comprising administering to a warm-blooded animal in need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 76.

78. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent Alzheimer's disease in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

79. A method for treating or preventing Alzheimer's disease in a warm-blooded animal comprising administering to a warm-blooded animal in need

thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 78.

80. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent dementia in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

81. A method for treating or preventing dementia in a warm-blooded animal comprising administering to a warm-blooded animal in need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 80.

82. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to treat or prevent alopecia in a warm-blooded animal in need of the treatment or prevention, and a pharmaceutically acceptable carrier, diluent, or excipient.

83. A method for treating or preventing alopecia in a warm-blooded animal comprising administering to a warm-blooded animal in need thereof a therapeutically effective amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 82.

84. A pharmaceutical composition comprising an amount of a compound according to claim 1 without said proviso or claim 2 effective to enhance libido in a warm-blooded animal in need thereof, and a pharmaceutically acceptable carrier, diluent, or excipient.

85. A method for enhancing libido in a warm-blooded animal in need thereof comprising administering to a warm-blooded animal in need thereof an

enhancing amount of a compound according to claim 1 without said proviso or claim 2 or a composition according to claim 84.

86. A compound or composition according to any one of claim 1 without said proviso, claim 2 and claim 3 for use in a method for treating or preventing atrial arrhythmia in a warm-blooded animal.

87. A compound or composition according to any one of claim 1 without said proviso, claim 2 and claim 3 for use in a method for treating or preventing ventricular arrhythmia in a warm-blooded animal.

88. A compound or composition according to any one of claim 1 without said proviso, claim 2 and claim 3 for use in a method for treating or preventing atrial fibrillation in a warm-blooded animal.

89. A compound or composition according to any one of claim 1 without said proviso, claim 2 and claim 3 for use in a method for treating or preventing ventricular fibrillation in a warm-blooded animal.